



Water-Data Report 2007

12202450 SILVER BEACH CREEK AT MAYNARD PLACE, AT BELLINGHAM, WA

Puget Sound Basin
Strait of Georgia Subbasin

LOCATION.--Lat 48°46'10", long 122°24'19" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec.22, T.38 N., R.3 E., Whatcom County, WA, Hydrologic Unit 17110002, on left bank at Maynard Place subdivision, 3.5 mi east of Post Office in Bellingham, and 0.1 m upstream from mouth at Lake Whatcom.

DRAINAGE AREA.--1.20 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 320 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Probably some diversion upstream for domestic use, and other effects from urbanization.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--6 years (water year 2002-07) 1.34 ft³/s, 15.19 in/yr, 972 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 71 ft³/s, Nov. 24, 2004, gage height, 6.58 ft; minimum discharge, no flow, many days June and July 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25 ft³/s, Dec. 14, gage height, 5.75 ft; minimum discharge, 0.01 ft³/s, Aug. 17, Sept. 8-10, 13, 14, gage height, 3.83 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.02	0.04	2.5	1.6	0.65	1.1	e1.1	1.6	0.16	0.02	e0.15	0.03
2	0.02	0.22	2.1	8.3	0.61	0.98	e1.0	1.4	0.13	0.01	e0.16	0.03
3	0.02	0.84	1.8	8.0	0.63	1.1	e0.90	1.0	0.12	0.01	e0.15	0.03
4	0.02	1.3	2.5	5.1	1.1	0.96	e0.80	1.4	0.25	e0.03	e0.14	0.30
5	0.02	1.5	2.5	5.6	0.92	1.1	e0.75	1.1	0.17	e0.03	e0.17	0.06
6	0.02	3.7	2.0	6.0	0.78	0.88	0.73	1.2	1.3	e0.03	e0.17	0.04
7	0.02	2.4	1.8	6.8	0.73	1.7	0.68	1.3	0.58	e0.03	e0.15	0.03
8	0.03	1.6	1.7	3.7	0.87	2.4	0.80	0.92	0.36	e0.04	e0.13	0.02
9	0.03	1.1	1.6	3.1	0.77	1.6	1.1	0.72	1.0	e0.05	e0.07	0.02
10	0.03	1.4	1.5	2.5	0.68	1.6	0.78	0.62	0.59	e0.06	e0.04	0.02
11	0.03	1.6	1.7	e1.9	0.71	5.8	0.69	0.48	0.31	e0.05	e0.04	0.03
12	0.03	2.3	2.1	e1.8	0.57	6.1	0.60	0.43	0.10	e0.05	e0.03	0.03
13	0.03	3.2	2.8	e1.5	0.63	3.5	0.59	0.38	0.09	e0.07	e0.02	0.02
14	0.04	2.1	5.8	e1.4	1.0	2.7	0.72	0.36	0.07	e0.05	e0.02	0.02
15	0.32	2.1	6.5	e1.2	1.9	2.1	0.51	0.31	0.36	e0.04	0.02	0.02
16	0.08	1.5	3.7	0.97	1.2	2.9	0.59	0.23	0.16	e0.05	0.02	0.06
17	0.04	1.2	2.4	1.1	1.1	4.9	0.64	0.20	1.3	e0.15	0.02	0.05
18	0.07	1.1	1.8	1.9	1.1	5.8	0.52	0.24	0.53	e0.30	0.03	0.04
19	0.13	1.3	1.7	2.2	2.8	3.9	0.46	0.39	0.33	2.0	0.19	0.03
20	0.07	1.2	1.5	1.7	3.6	3.0	0.43	1.2	0.15	1.2	0.06	0.05
21	0.05	1.5	2.8	1.3	2.0	2.1	0.41	4.2	0.08	0.86	0.14	0.10
22	0.06	e1.2	1.9	1.8	1.5	2.5	0.37	2.0	0.06	1.4	0.07	0.08
23	0.06	e1.3	3.9	2.7	1.6	3.0	0.34	1.6	0.05	0.93	0.04	0.04
24	0.08	e2.4	3.1	1.8	1.7	5.9	0.66	1.2	0.68	0.62	0.04	0.03
25	0.07	e2.5	3.3	1.4	1.5	4.2	0.64	0.86	0.29	0.41	0.11	0.03
26	0.07	e2.3	2.4	1.2	1.3	e2.9	0.57	0.79	0.08	0.27	0.10	0.03
27	0.08	2.0	2.8	1.1	1.1	e2.2	1.8	1.3	0.04	0.21	0.06	0.22
28	0.09	e1.8	2.0	0.94	1.0	e1.7	2.5	0.88	0.03	0.19	0.05	0.23
29	0.25	e1.7	1.8	0.88	---	e1.4	1.5	0.59	0.27	0.21	0.05	0.06
30	0.04	2.5	1.5	0.80	---	e1.3	1.5	0.22	0.12	0.16	0.04	0.83
31	0.04	---	1.4	0.71	---	e1.2	---	0.18	---	e0.15	0.04	---
Total	1.96	50.90	76.9	81.00	34.05	82.52	24.68	29.30	9.76	9.68	2.52	2.58
Mean	0.06	1.70	2.48	2.61	1.22	2.66	0.82	0.95	0.33	0.31	0.08	0.09
Max	0.32	3.7	6.5	8.3	3.6	6.1	2.5	4.2	1.3	2.0	0.19	0.83
Min	0.02	0.04	1.4	0.71	0.57	0.88	0.34	0.18	0.03	0.01	0.02	0.02
Ac-ft	3.9	101	153	161	68	164	49	58	19	19	5.0	5.1
Cfsm	0.05	1.41	2.07	2.18	1.01	2.22	0.69	0.79	0.27	0.26	0.07	0.07
In.	0.06	1.58	2.38	2.51	1.06	2.56	0.77	0.91	0.30	0.30	0.08	0.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.91	2.59	2.55	3.43	2.83	1.58	1.37	0.45	0.18	0.11	0.08	0.12
Max	3.31	5.80	4.47	4.44	9.40	2.66	3.01	0.95	0.41	0.31	0.24	0.39
(WY)	(2004)	(2005)	(2002)	(2005)	(2002)	(2007)	(2005)	(2007)	(2006)	(2007)	(2004)	(2004)
Min	0.06	0.39	0.72	2.43	1.22	0.62	0.31	0.21	0.03	0.00	0.02	0.04
(WY)	(2007)	(2003)	(2003)	(2003)	(2007)	(2006)	(2004)	(2005)	(2004)	(2004)	(2003)	(2003)

12202450 SILVER BEACH CREEK AT MAYNARD PLACE, AT BELLINGHAM, WA—Continued**SUMMARY STATISTICS**

	Calendar Year 2006	Water Year 2007	Water Years 2002 - 2007	
Annual total	384.06	405.85		
Annual mean	1.05	1.11	1.34	
Highest annual mean			1.97	2002
Lowest annual mean			0.75	2003
Highest daily mean	12	Jan 10	8.3	Jan 2
Lowest daily mean	0.02	Aug 25	0.01	Jul 2
Annual seven-day minimum	0.02	Oct 1	0.02	Oct 1
Maximum peak flow			68	Feb 22, 2002
Maximum peak stage			5.57	Feb 22, 2002
Annual runoff (ac-ft)	762	805	972	
Annual runoff (cfs-m)	0.877	0.927	1.12	
Annual runoff (inches)	11.91	12.58	15.19	
10 percent exceeds	2.8	2.6	3.1	
50 percent exceeds	0.46	0.71	0.50	
90 percent exceeds	0.03	0.03	0.03	

